PATENT CLAIMS

1. Method for nozzle-injection of gas into molten glass, characterized through the following features:

1.1 the gas stream is introduced into the molten mass in a temporally pulsed throughput;

1.2 the gas stream is interrupted between two sequential pulses;

1.3 the duration of a pulse amounts to less than 1 s.

2. Method according to claim 1, characterized by the fact that the duration of a pulse amounts to less than 100 ms.

3. Method according to claim 1, characterized by the fact that the duration of a pulse amounts to less than 50 ms.

4. Method according to one of the claims 1 through 3, characterized by the fact that the pressure falloff of a pulse from maximum value to null takes place within a time span of less than 100 ms.

5. Method according to one of the claims 1 through 4, characterized by the fact that the pressure falloff of a pulse from maximum value to zero takes place within a time span of less than 50 ms.

6. Method according to one of the claims 1 through 5, characterized by the fact that the temporal interval between two sequential pulses amounts to at least 1 s.

7. Method according to one of the claims 1 through 6, characterized by the fact that the temporal interval between two sequential pulses amounts to at least 10 s.

8. Method according to one of the claims 1 through 7, characterized through the following features:

8.1 the molten mass is freed of foreign gases through flushing with O_2 gas;

8.2 the introduced gas bubbles are given a high surface-area/volume ratio through impressed pressure profiles, in order to minimize the bubbling-gas amount and to maximize the expelling of foreign gas.